108.3 Sulfur and Mercury in Fossil Fuels (liquid and solid forms)

These SRMs and RM are for analysis of metal trace elements in fuel oil and reference fuels. [Also see Category 114.]

For further information see SP 260-84

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM/RM	Description	Unit Size	Mercury in µg/kg	Sulfur in %	Furnace Ash in %	Volatile Matter	Heat of Combustion (in MJ/kg)*
2721	Crude Oil (Light-Sour)	5 x 10 mL	0.0417	1.5832			
2722	Crude Oil (Heavy-Sweet)	5 x 10 mL	0.1292	0.21037			
2294	Reformulated Gasoline (nominal 11 % MTBE)	2 x 20 mL		0.00409			
2295	Reformulated Gasoline (nominal 15 % MTBE)	2 x 20 mL		0.0308			
2296	Reformulated Gasoline (nominal 13 % ETBE)	2 x 20 mL		0.00400			
2297	Reformulated Gasoline (nominal 10 % Ethanol)	2 x 20 mL		0.03037			
2298	Sulfur in Gasoline (High-Octane)	5 x 20 mL		0.00047			
2299	Sulfur in Gasoline (Reformulated)	5 x 20 mL		0.00136			
1616b	Sulfur in Kerosine	100 mL		0.000841			
1617a	Sulfur in Kerosine	100 mL		0.17307			
1624d	Sulfur in Diesel Fuel Oil (0.4 %)	100 mL		0.3882			
2723a	Sulfur in Diesel Fuel Oil	10 x 10 mL		0.00110			
2724b	Sulfur in Diesel Fuel Oil	10 x 10 mL	0.000034	0.04265			(45.99)
2770	Sulfur in Diesel Fuel Oil	10 x 10 mL		0.004157			
RM 8771	Sulfur in Diesel Fuel Blend Stock	100 mL		0.071 mg/kg			
1619b	Sulfur in Residual Fuel Oil (0.7 %)	100 mL	0.00346	0.6960			
1620c	Sulfur in Residual Fuel Oil (4 %)	100 mL		4.561			(41.46)
1621e	Sulfur in Residual Fuel Oil (1 %)	100 mL		0.9480			
1622e	Sulfur in Residual Fuel Oil (2 %)	100 mL		2.1468			

1623c	Sulfur in Residual Fuel Oil (0.3%)	100 mL		0.3806			
2717a	Sulfur in Residual Fuel Oil (3 %)	100 mL		2.9957			(42.29)
2718	Trace Elements in Green Petroleum Coke	50 g		4.7032	(0.18)	(10.6)	(35.76)
2719	Trace Elements in Calcined Petroleum Coke	50 g		0.8877	(0.12)	(0.54)	(32.90)
1630a	See SRM 1632c						
1632c	Trace Elements in Coal (Bituminous)	50 g	93.8	1.462	7.16	(36)	(32.10)
1635	Trace Elements in Coal (Subbituminous)	75 g	10.9	0.3616	(4.6)		
2682b	Sulfur and Mercury in Coal (Subbituminous)	50 g	108.8	0.4917	6.32		25.66
2683b	Sulfur and Mercury in Coal (Bituminous)	50 g	90.0	1.955	9.93		(30.62)
2684b	Sulfur and Mercury in Coal (Bituminous)	50 g	97.4	3.076	10.85		28.56
2685b	Sulfur and Mercury in Coal (Bituminous)	50 g	146.2	4.730	15.94		26.94
2692b	Sulfur and Mercury in Coal (Bituminous)	50 g	133.3	1.170	7.90		32.81
2693	Sulfur and Mercury in Coal (Bituminous)	50 g	37.3	0.4571	9.44		
2775	Foundry Coke	50 g		0.5816	5.77	1.31	
2776	Furnace Coke	50 g		0.825	8.06	0.98	

Values in parentheses are not certified and are given for information only.

* Gross Caloritic Value or HHV (Higher Heating Value)